

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listing of claims in the application.

**Listing of Claims:**

Cancel claims 1-49

Claim 50: A method of inducing an immune response to at least one antigen comprising applying a formulation to hydrated skin of an organism, wherein the formulation comprises an antigen which is derived from a pathogen, and wherein an effective amount of the antigen induces the immune response to the at least one antigen in the organism.

Claim 51: The method of claim 50, wherein the pathogen is selected from the group consisting of bacterium, virus, fungus and parasite.

Claim 52: The method of claim 50, wherein the antigen is selected from the group consisting of carbohydrate, glycolipid, glycoprotein, lipid, protein, lipoprotein, phospholipid, and polypeptide.

Claim 53: The method of claim 50, wherein the pathogen is a live or an attenuated live virus and the antigen is expressed by the live or attenuated live virus.

Claim 54: The method of claim 51, wherein the bacterium is anthrax.

Claim 55: The method of claim 51, wherein the virus is rabies.

Claim 56: The method of claim 50, wherein the formulation is a cream or gel or emulsion or ointment or lotion or paste or solution or suspension.

Claim 57: The method of claim 50, wherein the formulation is applied with a patch.

Claim 58: The method of claim 50, wherein the formulation further comprises a dressing.

Claim 59: The method of claim 58, wherein the dressing is occlusive or non-occlusive.